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ABSTRACT

This document presents four action recommendations for implementing the long-range plan for technology in elementary and secondary education in New York state and three options or different strategies for implementing each of the action recommendations. The tables and bar graphs which make up the major part of this report indicate the extent to which respondents agreed that each of the following actions would be appropriate for implementing the plan: (1) completion of statewide TNT systems, and connection of all school buildings throughout the state for communications, sharing, and reporting purposes; (2) establishment of teacher and student access to the telecommunications capabilities of the statewide network, and complete integration of technology into the teaching/learning environment of schools; (3) development and implementation of planning procedures and support activities for such integration at the state, regional, and local levels; and (4) development of procedures for the statewide monitoring and evaluation of the long-range plan, and tracking the technology-based efforts and expenditures in order to document their effectiveness. Respondents also indicated the extent of their agreement with the feasibility of implementing each of the Action Recommendations by 1995. The respondents for this study included superintendents, teachers, computer coordinators, educational communications directors, instructional media coordinators, principals, and school librarians. (DB)

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ED323966

# Long-Range Plan for Technology in Elementary and Secondary Education in New York State

## Evaluation Results

The University of the State of New York
The State Education Department
The Office of Elementary and Secondary Education Planning,
Testing and Technological Services
Division of Elementary and Secondary Education Planning
Albany, New York

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IR014610

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January 1990

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# ACTION RECOMMENDATIONS

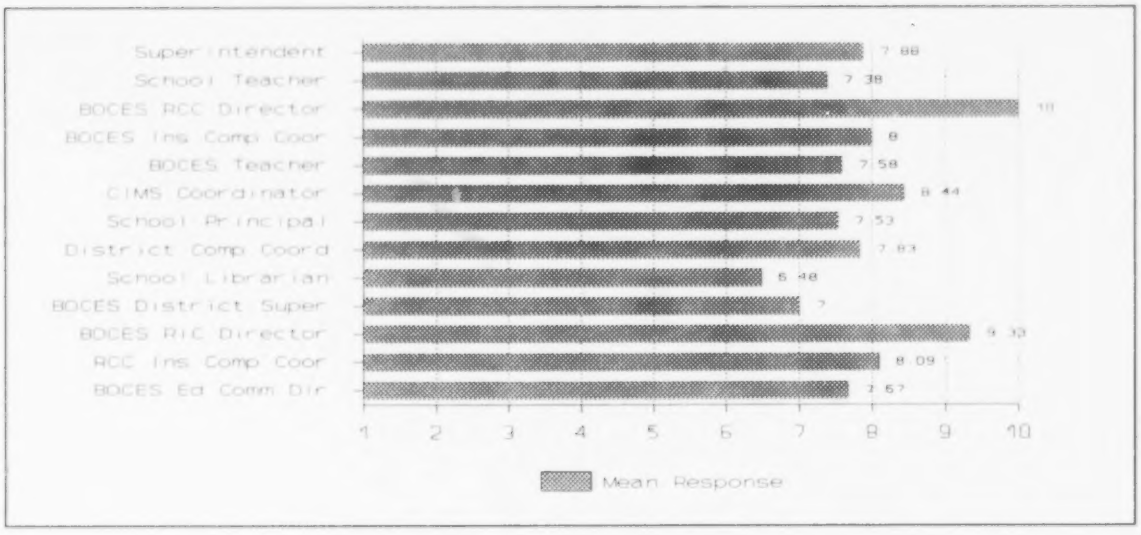
Chapter VII presents four Action Recommendations for implementing the Long-Range Plan for Technology in Elementary and Secondary Education in New York State. Respondents were asked to indicate the extent to which they agreed or disagreed that each is an appropriate action for implementing the Long-Range Plan. The evaluation results were as follows:

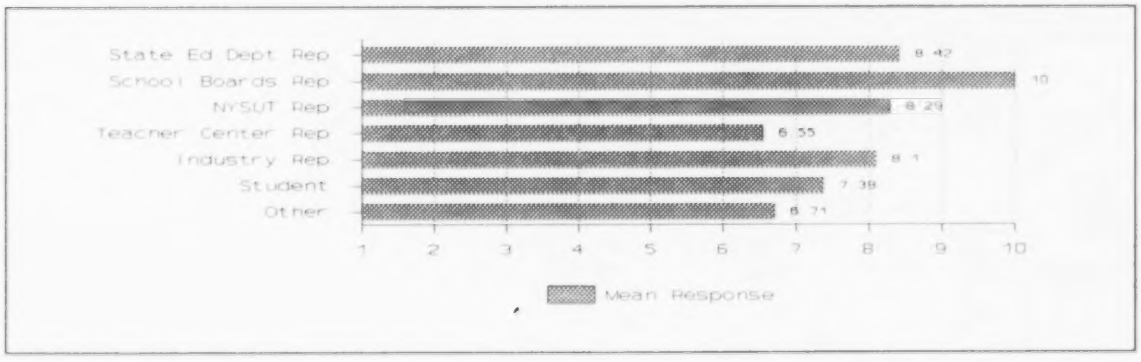
**Action Recommendation 1**

**The Regents approve the completion of the development of the Statewide TNT Systems, including the development of the Student and Financial database management applications, and connection of all school buildings throughout the State for communications, sharing and reporting purposes.**

Strongly Disagree — Strongly Agree

(Overall **MEAN** = 7.64 )

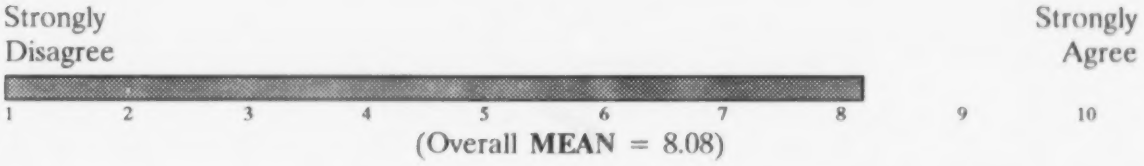


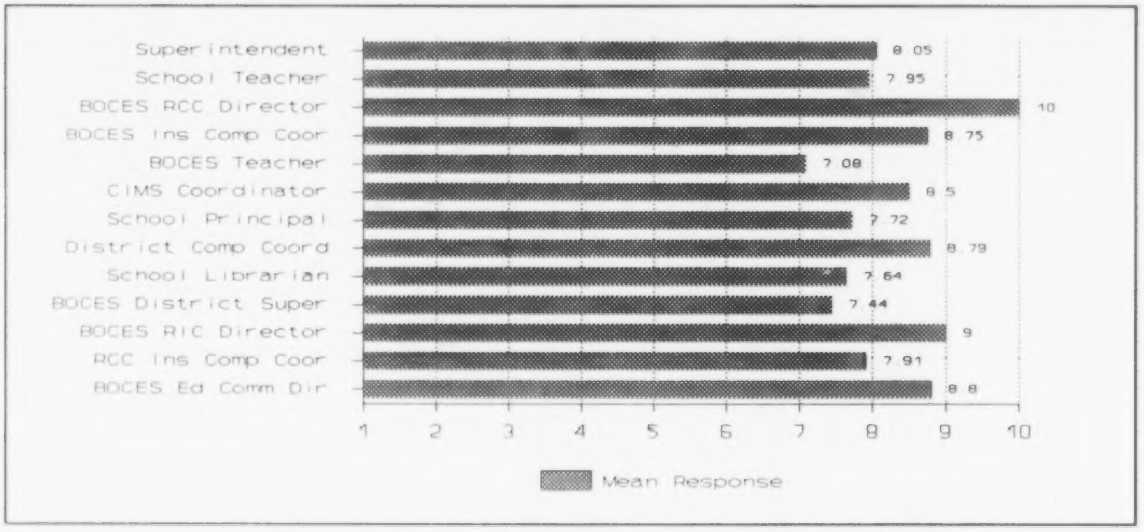

**Complete TNT and Connect All Buildings**

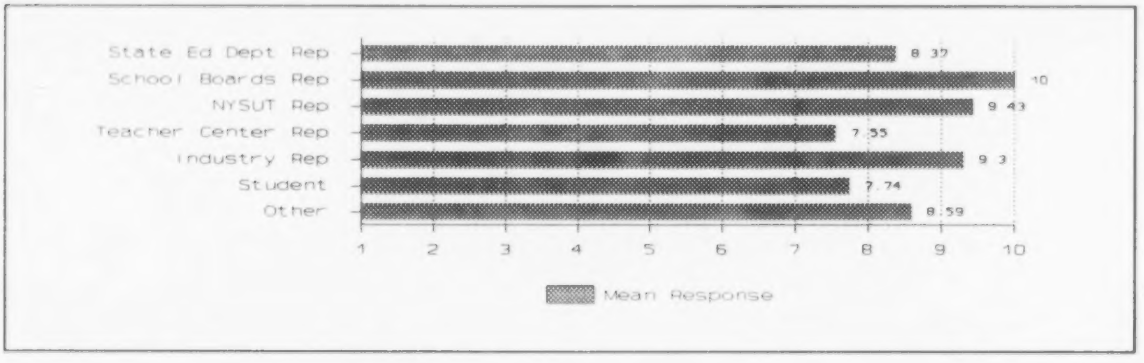
**Action Recommendation 2**

**The Regents support the establishment of teacher and student access to the telecommunications capabilities of the statewide network and the complete integration of technology into the teaching/learning environment of schools.**




(Overall **MEAN** = 8.08)

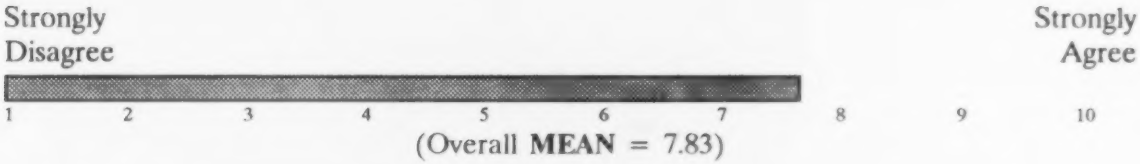

Superintendent 8.05
School Teacher 7.95
BOCES RCC Director 10
BOCES Ins Comp Coor 8.75
BOCES Teacher 7.08
CIMS Coordinator 8.5
School Principal 7.72
District Comp Coord 8.79
School Librarian 7.64
BOCES District Super 7.44
BOCES RIC Director 9
RCC Ins Comp Coor 7.91
BOCES Ed Comm Dir 8.8
1 2 3 4 5 6 7 8 9 10
Mean Response



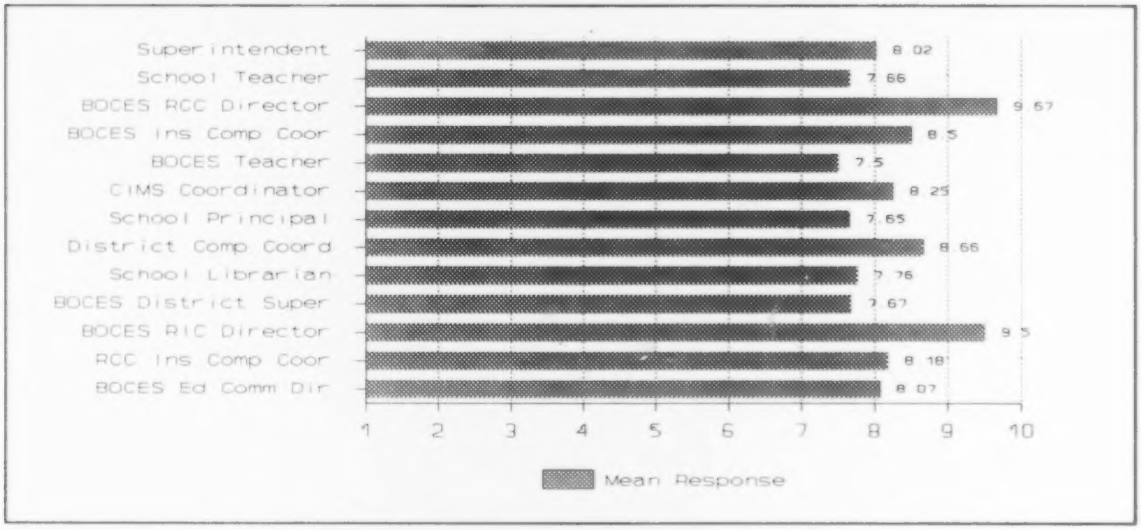

**Establish Teacher/Student Access and Integrate Technology**

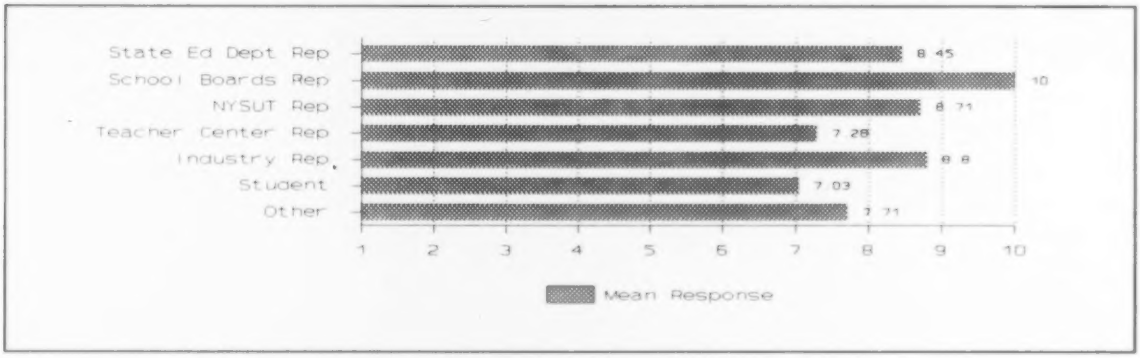
**Action Recommendation 3**

**The Regents approve the development and implementation of planning procedures and support activities for complete technology integration at the State, regional and local educational levels.**




(Overall **MEAN** = 7.83)


Superintendent 8.02
School Teacher 7.66
BOCES RCC Director 9.67
BOCES Ins Comp Coor 8.5
BOCES Teacher 7.5
CIMS Coordinator 8.25
School Principal 7.65
District Comp Coord 8.66
School Librarian 7.76
BOCES District Super 7.67
BOCES RIC Director 9.5
RCC Ins Comp Coor 8.18
BOCES Ed Comm Dir 8.07
1 2 3 4 5 6 7 8 9 10
Mean Response



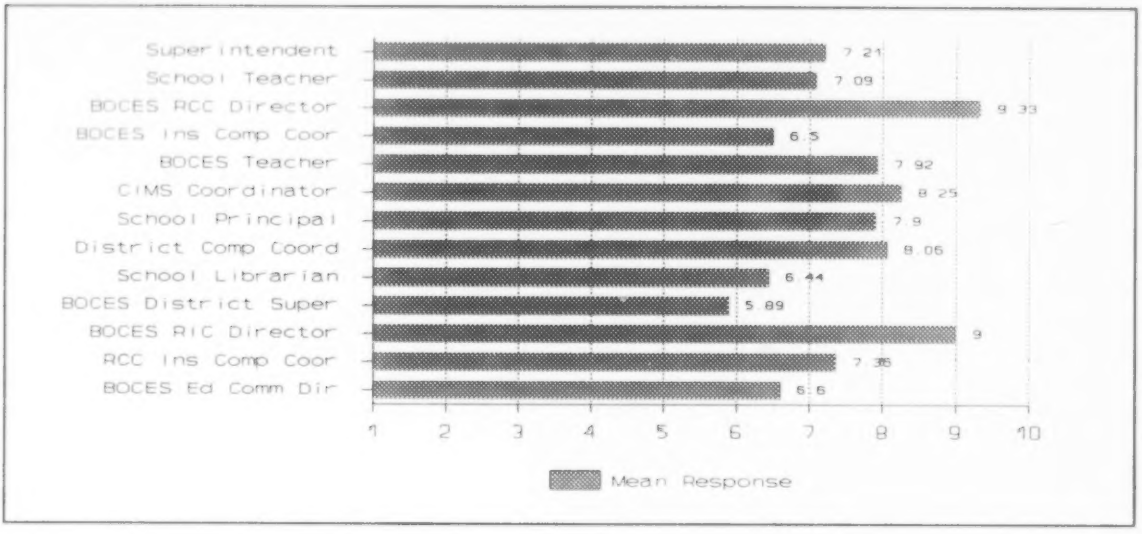

**Implement Planning Procedures**

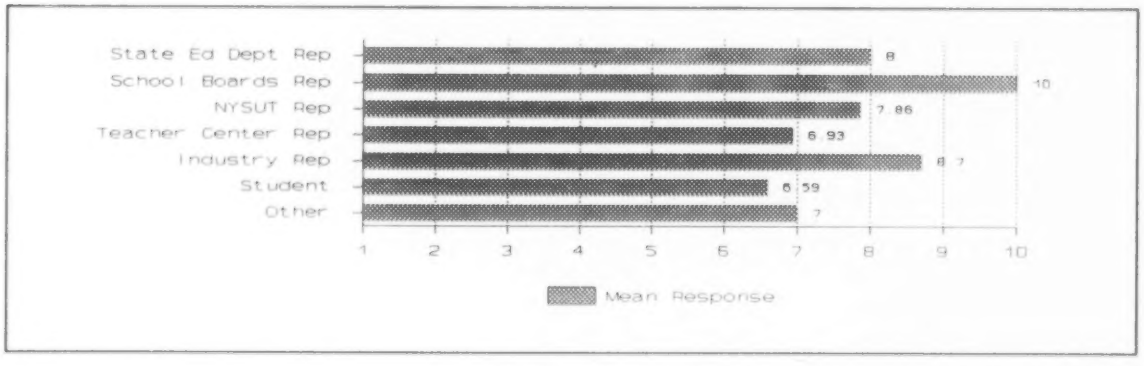
**Action Recommendation 4**

**The Regents direct the State Education Department to develop policies and procedures for statewide monitoring and evaluation of the implementation of the Long-Range Plan and the tracking of technology-based efforts and expenditures in order to document their effectiveness.**

Strongly Disagree — Strongly Agree

(Overall **MEAN** = 7.27)


Superintendent 7.21
School Teacher 7.09
BOCES RCC Director 9.33
BOCES Ins Comp Coor 6.5
BOCES Teacher 7.92
CIMS Coordinator 8.25
School Principal 7.9
District Comp Coord 8.06
School Librarian 6.44
BOCES District Super 5.89
BOCES RIC Director 9
RCC Ins Comp Coor 7.36
BOCES Ed Comm Dir 6.6
1 2 3 4 5 6 7 8 9 10
Mean Response




**Long-Range Plan Monitoring and Evaluation**

# OPTIONS

Chapter VIII presents three options or different strategies for implementing each of the Action Recommendations. Respondents were asked to indicate the extent to which they agreed or disagreed that each is a feasible strategy for implementing the Action Recommendations. The evaluation results were as follows:

## ACTION RECOMMENDATION 1

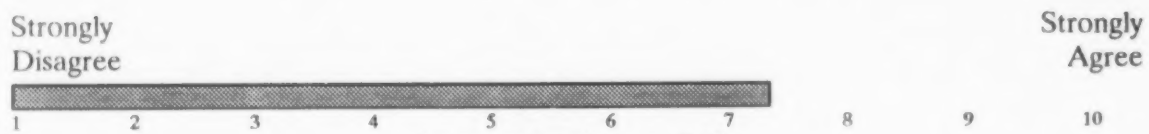
### Option 1. Implement all activities by 1995

(Overall **MEAN** = 5.7)

### Option 2. Implement all activities by 2001

(Overall **MEAN** = 6.26)

### Option 3. Implement priority activities by 1995




(Overall **MEAN** = 7.52)

## ACTION RECOMMENDATION 2

### Option 1. Implement all activities by 1995

(Overall **MEAN** = 5.77)

### Option 2. Implement all activities by 2001

(Overall **MEAN** = 6.30)

### Option 3. Implement priority activities by 1995

(Overall **MEAN** = 7.57)

## ACTION RECOMMENDATION 3

### Option 1. Implement all activities by 1995

(Overall **MEAN** = 6.37)

### Option 2. Implement all activities by 2001

(Overall **MEAN** = 6.12)

### Option 3. Implement priority activities by 1995

(Overall **MEAN** = 7.30)

## ACTION RECOMMENDATION 4

### Option 1. Implement all activities by 1995

Strongly Disagree — Strongly Agree

(Overall **MEAN** = 5.83)

### Option 2. Implement all activities by 2001

Strongly Disagree — Strongly Agree

(Overall **MEAN** = 5.80)

### Option 3. Implement priority activities by 1995

Strongly Disagree — Strongly Agree

(Overall **MEAN** = 7.03)

# APPENDIX

LONG-RANGE PLAN Responses

| | Recommendation 1 | | | | |
|---|---|---|---|---|---|
| | Valid N | Minimum | Maximum | Mean | Standard Deviation |
| Educ/ Prof Ed Agency | | | | | |
| Position | | | | | |
| Supt | 108 | 1 | 10 | 7.88 | 2.30 |
| Dist Teacher | 106 | 1 | 10 | 7.38 | 2.70 |
| RCC Director | 2 | 10 | 10 | 10.00 | |
| Inst Comp Coord | 4 | 5 | 10 | 8.00 | 2.45 |
| BOCES Teacher | 12 | 3 | 10 | 7.58 | 2.64 |
| CIMS Coord | 16 | 5 | 10 | 8.44 | 1.67 |
| Schl Principal | 32 | 1 | 10 | 7.53 | 2.48 |
| Comp/Tech Coord | 87 | 1 | 10 | 7.83 | 2.49 |
| Sch Librarian | 25 | 1 | 10 | 6.48 | 2.84 |
| Dist Supt | 9 | 1 | 10 | 7.00 | 3.67 |
| RIC Director | 6 | 7 | 10 | 9.33 | 1.21 |
| RCC Inst Coord | 11 | 3 | 10 | 8.09 | 1.87 |
| BOCES EdComm | 15 | 4 | 10 | 7.67 | 1.59 |
| Total | 433 | 1 | 10 | 7.66 | 2.49 |
| Prof Org | | | | | |
| Position | | | | | |
| NYSED Rep | 73 | 5 | 10 | 8.42 | 1.60 |
| Sch Boards Rep | 1 | 10 | 10 | 10.00 | |
| NYSUT Rep | 7 | 3 | 10 | 8.29 | 2.56 |
| Tchr Res Cntr Rep | 29 | 1 | 10 | 6.55 | 2.77 |
| Industry Rep | 10 | 4 | 10 | 8.10 | 2.38 |
| Other | 17 | 2 | 10 | 6.71 | 2.42 |
| Student | 162 | 1 | 10 | 7.38 | 2.29 |
| Total | 299 | 1 | 10 | 7.57 | 2.27 |

Date of Run: 12/14/89

LONG-RANGE PLAN Responses

| | Recommendation 2 | | | | |
|---|---|---|---|---|---|
| | Valid N | Minimum | Maximum | Mean | Standard Deviation |
| Educ/ Prof Ed Agency | | | | | |
| Position | | | | | |
| Supt | 108 | 1 | 10 | 8.05 | 2.21 |
| Dist Teacher | 106 | 1 | 10 | 7.95 | 2.51 |
| RCC Director | 3 | 10 | 10 | 10.00 | |
| Inst Comp Coord | 4 | 5 | 10 | 8.75 | 2.50 |
| BOCES Teacher | 12 | 3 | 10 | 7.08 | 2.75 |
| CIMS Coord | 16 | 5 | 10 | 8.50 | 1.79 |
| Schl Principal | 32 | 1 | 10 | 7.72 | 2.32 |
| Comp/Tech Coord | 86 | 2 | 10 | 8.79 | 1.69 |
| Sch Librarian | 25 | 2 | 10 | 7.64 | 2.38 |
| Dist Supt | 9 | 2 | 10 | 7.44 | 3.40 |
| RIC Director | 6 | 7 | 10 | 9.00 | 1.26 |
| RCC Inst Coord | 11 | 3 | 10 | 7.91 | 2.07 |
| BOCES EdComm | 15 | 6 | 10 | 8.80 | 1.08 |
| Total | 433 | 1 | 10 | 8.16 | 2.22 |
| Prof Org | | | | | |
| Position | | | | | |
| NYSED Rep | 73 | 4 | 10 | 8.37 | 1.64 |
| Sch Boards Rep | 1 | 10 | 10 | 10.00 | |
| NYSUT Rep | 7 | 9 | 10 | 9.43 | .53 |
| Tchr Res Cntr Rep | 29 | 1 | 10 | 7.55 | 2.98 |
| Industry Rep | 10 | 7 | 10 | 9.30 | 1.16 |
| Other | 17 | 3 | 10 | 8.59 | 1.87 |
| Student | 162 | 1 | 10 | 7.74 | 2.17 |
| Total | 299 | 1 | 10 | 8.02 | 2.12 |



Date of Run: 12/14/89

LONG-RANGE PLAN Responses

| | Recommendation 3 | | | | |
|---|---|---|---|---|---|
| | Valid N | Minimum | Maximum | Mean | Standard Deviation |
| Educ/ Prof Ed Agency | | | | | |
| Position | | | | | |
| Supt | 108 | 1 | 10 | 8.02 | 2.20 |
| Dist Teacher | 106 | 1 | 10 | 7.66 | 2.49 |
| RCC Director | 3 | 9 | 10 | 9.67 | .58 |
| Inst Comp Coord | 4 | 7 | 10 | 8.50 | 1.73 |
| BOCES Teacher | 12 | 4 | 10 | 7.50 | 2.28 |
| CIMS Coord | 16 | 1 | 10 | 8.25 | 2.35 |
| Schl Principal | 31 | 1 | 10 | 7.65 | 2.48 |
| Comp/Tech Coord | 86 | 1 | 10 | 8.66 | 1.83 |
| Sch Librarian | 25 | 2 | 10 | 7.76 | 2.24 |
| Dist Supt | 9 | 3 | 10 | 7.67 | 2.74 |
| RIC Director | 6 | 9 | 10 | 9.50 | .55 |
| RCC Inst Coord | 11 | 3 | 10 | 8.18 | 1.94 |
| BOCES EdComm | 15 | 2 | 10 | 8.07 | 2.02 |
| Total | 432 | 1 | 10 | 8.05 | 2.23 |
| Prof Org | | | | | |
| Position | | | | | |
| NYSED Rep | 73 | 4 | 10 | 8.45 | 1.63 |
| Sch Boards Rep | 1 | 10 | 10 | 10.00 | |
| NYSUT Rep | 7 | 5 | 10 | 8.71 | 1.98 |
| Tchr Res Cntr Rep | 29 | 1 | 10 | 7.28 | 3.16 |
| Industry Rep | 10 | 6 | 10 | 8.80 | 1.69 |
| Other | 17 | 2 | 10 | 7.71 | 2.02 |
| Student | 161 | 1 | 10 | 7.03 | 2.47 |
| Total | 298 | 1 | 10 | 7.55 | 2.39 |

Date of Run: 12/14/89

LONG-RANGE PLAN Responses

| | Recommendation 4 | | | | |
|---|---|---|---|---|---|
| | Valid N | Minimum | Maximum | Mean | Standard Deviation |
| Educ/ Prof Ed Agency | | | | | |
| Position | | | | | |
| Supt | 108 | 1 | 10 | 7.21 | 2.53 |
| Dist Teacher | 106 | 1 | 10 | 7.09 | 2.45 |
| RCC Director | 3 | 8 | 10 | 9.33 | 1.15 |
| Inst Comp Coord | 4 | 1 | 10 | 6.50 | 4.36 |
| BOCES Teacher | 12 | 5 | 10 | 7.92 | 1.98 |
| CIMS Coord | 16 | 1 | 10 | 8.25 | 2.41 |
| Schl Principal | 30 | 1 | 10 | 7.90 | 2.32 |
| Comp/Tech Coord | 87 | 1 | 10 | 8.06 | 2.10 |
| Sch Librarian | 25 | 2 | 10 | 6.44 | 2.20 |
| Dist Supt | 9 | 1 | 10 | 5.89 | 3.41 |
| RIC Director | 6 | 8 | 10 | 9.00 | .89 |
| RCC Inst Coord | 11 | 2 | 10 | 7.36 | 2.50 |
| BOCES EdComm | 15 | 1 | 9 | 6.60 | 2.85 |
| Total | 432 | 1 | 10 | 7.40 | 2.45 |
| Prof Org | | | | | |
| Position | | | | | |
| NYSED Rep | 72 | 4 | 10 | 8.00 | 1.79 |
| Sch Boards Rep | 1 | 10 | 10 | 10.00 | |
| NYSUT Rep | 7 | 2 | 10 | 7.86 | 2.79 |
| Tchr Res Cntr Rep | 28 | 1 | 10 | 6.93 | 2.75 |
| Industry Rep | 10 | 6 | 10 | 8.70 | 1.57 |
| Other | 17 | 2 | 10 | 7.00 | 2.03 |
| Student | 160 | 1 | 10 | 6.59 | 2.47 |
| Total | 295 | 1 | 10 | 7.11 | 2.39 |



Date of Run: 12/14/89

LONG-RANGE PLAN Responses

| | Rec 1 - Option 1 | | | | |
|---|---|---|---|---|---|
| | Valid N | Minimum | Maximum | Mean | Standard Deviation |
| Educ/ Prof Ed Agency | | | | | |
| Position | | | | | |
| Supt | 89 | 1 | 10 | 5.84 | 3.17 |
| Dist Teacher | 98 | 1 | 10 | 4.92 | 3.09 |
| RCC Director | 2 | 8 | 10 | 9.00 | 1.41 |
| Inst Comp Coord | 4 | 4 | 10 | 7.00 | 2.45 |
| BOCES Teacher | 13 | 1 | 10 | 4.85 | 3.36 |
| CIMS Coord | 16 | 1 | 10 | 5.94 | 3.13 |
| Schl Principal | 26 | 1 | 10 | 6.23 | 3.04 |
| Comp/Tech Coord | 77 | 1 | 10 | 5.10 | 3.17 |
| Sch Librarian | 22 | 1 | 10 | 4.23 | 3.41 |
| Dist Supt | 7 | 2 | 10 | 5.00 | 3.27 |
| RIC Director | 6 | 1 | 10 | 7.17 | 3.54 |
| RCC Inst Coord | 10 | 3 | 10 | 6.00 | 2.79 |
| BOCES EdComm | 14 | 1 | 10 | 4.86 | 2.80 |
| Total | 384 | 1 | 10 | 5.36 | 3.16 |
| Prof Org | | | | | |
| Position | | | | | |
| NYSED Rep | 69 | 1 | 10 | 5.51 | 2.77 |
| Sch Boards Rep | 1 | 1 | 1 | 1.00 | |
| NYSUT Rep | 7 | 2 | 10 | 6.57 | 2.94 |
| Tchr Res Cntr Rep | 25 | 1 | 9 | 4.64 | 2.72 |
| Industry Rep | 11 | 1 | 10 | 7.00 | 3.46 |
| Other | 14 | 1 | 10 | 4.14 | 2.88 |
| Student | 166 | 1 | 10 | 6.71 | 2.84 |
| Total | 293 | 1 | 10 | 6.12 | 2.95 |

Date of Run: 12/14/89

LONG-RANGE PLAN Responses

| | Rec 1 - Option 2 | | | | |
|---|---|---|---|---|---|
| | Valid N | Minimum | Maximum | Mean | Standard Deviation |
| Educ/ Prof Ed Agency | | | | | |
| Position | | | | | |
| Supt | 87 | 1 | 10 | 6.05 | 3.02 |
| Dist Teacher | 99 | 1 | 10 | 6.96 | 2.97 |
| RCC Director | 2 | 5 | 10 | 7.50 | 3.54 |
| Inst Comp Coord | 4 | 4 | 8 | 5.50 | 1.73 |
| BOCES Teacher | 11 | 1 | 8 | 5.00 | 2.57 |
| CIMS Coord | 16 | 3 | 10 | 7.63 | 2.68 |
| Schl Principal | 24 | 1 | 10 | 6.08 | 3.37 |
| Comp/Tech Coord | 73 | 1 | 10 | 6.29 | 3.20 |
| Sch Librarian | 24 | 1 | 10 | 5.08 | 2.84 |
| Dist Supt | 6 | 2 | 8 | 4.50 | 2.26 |
| RIC Director | 5 | 2 | 10 | 6.00 | 3.74 |
| RCC Inst Coord | 10 | 1 | 10 | 4.90 | 3.00 |
| BOCES EdComm | 15 | 3 | 10 | 7.47 | 2.07 |
| Total | 376 | 1 | 10 | 6.31 | 3.03 |
| Prof Org | | | | | |
| Position | | | | | |
| NYSED Rep | 64 | 1 | 10 | 6.53 | 2.85 |
| Sch Boards Rep | 1 | 3 | 3 | 3.00 | |
| NYSUT Rep | 6 | 5 | 9 | 6.83 | 1.83 |
| Tchr Res Cntr Rep | 26 | 1 | 10 | 5.96 | 3.18 |
| Industry Rep | 6 | 1 | 10 | 5.50 | 3.67 |
| Other | 16 | 1 | 10 | 6.06 | 3.15 |
| Student | 146 | 1 | 10 | 5.99 | 2.93 |
| Total | 265 | 1 | 10 | 6.12 | 2.93 |



Date of Run: 12/14/89

LONG-RANGE PLAN Responses

| | Rec 1 - Option 3 | | | | |
|---|---|---|---|---|---|
| | Valid N | Minimum | Maximum | Mean | Standard Deviation |
| Educ/ Prof Ed Agency | | | | | |
| Position | | | | | |
| Supt | 93 | 1 | 10 | 7.34 | 2.78 |
| Dist Teacher | 96 | 1 | 10 | 7.14 | 2.84 |
| RCC Director | 3 | 1 | 10 | 6.67 | 4.93 |
| Inst Comp Coord | 4 | 1 | 10 | 7.00 | 4.24 |
| BOCES Teacher | 11 | 6 | 10 | 8.64 | 1.43 |
| CIMS Coord | 16 | 1 | 10 | 7.69 | 2.63 |
| Schl Principal | 24 | 1 | 10 | 6.67 | 2.76 |
| Comp/Tech Coord | 79 | 1 | 10 | 7.82 | 2.58 |
| Sch Librarian | 24 | 1 | 10 | 6.63 | 3.28 |
| Dist Supt | 8 | 2 | 10 | 6.75 | 2.96 |
| RIC Director | 5 | 7 | 10 | 9.00 | 1.41 |
| RCC Inst Coord | 11 | 3 | 10 | 7.82 | 2.04 |
| BOCES EdComm | 14 | 1 | 10 | 7.71 | 2.67 |
| Total | 388 | 1 | 10 | 7.38 | 2.75 |
| Prof Org | | | | | |
| Position | | | | | |
| NYSED Rep | 68 | 1 | 10 | 7.66 | 2.52 |
| Sch Boards Rep | 1 | 7 | 7 | 7.00 | |
| NYSUT Rep | 6 | 5 | 10 | 7.50 | 2.43 |
| Tchr Res Cntr Rep | 25 | 3 | 10 | 7.84 | 2.32 |
| Industry Rep | 6 | 7 | 10 | 8.33 | 1.03 |
| Other | 17 | 2 | 10 | 8.06 | 2.11 |
| Student | 148 | 1 | 10 | 7.61 | 2.44 |
| Total | 271 | 1 | 10 | 7.69 | 2.39 |



Date of Run: 12/14/89

LONG-RANGE PLAN Responses

| | Rec 2 - Option 1 | | | | |
|---|---|---|---|---|---|
| | Valid N | Minimum | Maximum | Mean | Standard Deviation |
| Educ/ Prof Ed Agency | | | | | |
| Position | | | | | |
| Supt | 89 | 1 | 10 | 5.63 | 3.09 |
| Dist Teacher | 99 | 1 | 10 | 5.44 | 3.29 |
| RCC Director | 2 | 6 | 10 | 8.00 | 2.83 |
| Inst Comp Coord | 4 | 3 | 10 | 6.75 | 2.87 |
| BOCES Teacher | 13 | 1 | 10 | 5.69 | 2.90 |
| CIMS Coord | 16 | 1 | 10 | 6.06 | 3.07 |
| Schl Principal | 24 | 1 | 10 | 5.42 | 2.89 |
| Comp/Tech Coord | 76 | 1 | 10 | 5.68 | 2.93 |
| Sch Librarian | 22 | 1 | 10 | 4.86 | 3.48 |
| Dist Supt | 6 | 1 | 6 | 3.50 | 1.87 |
| RIC Director | 6 | 3 | 10 | 5.33 | 2.73 |
| RCC Inst Coord | 10 | 3 | 10 | 5.80 | 2.86 |
| BOCES EdComm | 13 | 1 | 10 | 5.54 | 2.73 |
| Total | 380 | 1 | 10 | 5.54 | 3.06 |
| Prof Org | | | | | |
| Position | | | | | |
| NYSED Rep | 66 | 1 | 10 | 5.12 | 2.73 |
| Sch Boards Rep | 1 | 1 | 1 | 1.00 | |
| NYSUT Rep | 7 | 2 | 10 | 8.00 | 2.83 |
| Tchr Res Cntr Rep | 25 | 1 | 10 | 5.84 | 3.35 |
| Industry Rep | 11 | 2 | 10 | 7.18 | 3.16 |
| Other | 14 | 1 | 10 | 6.50 | 3.25 |
| Student | 164 | 1 | 10 | 6.51 | 2.82 |
| Total | 288 | 1 | 10 | 6.18 | 2.95 |



Date of Run: 12/14/89

| | Rec 2 - Option 2 | | | | |
|---|---|---|---|---|---|
| | Valid N | Minimum | Maximum | Mean | Standard Deviation |
| Educ/ Prof Ed Agency | | | | | |
| Position | | | | | |
| Supt | 87 | 1 | 10 | 6.10 | 2.98 |
| Dist Teacher | 100 | 1 | 10 | 6.66 | 2.92 |
| RCC Director | 2 | 5 | 10 | 7.50 | 3.54 |
| Inst Comp Coord | 4 | 5 | 10 | 7.25 | 2.63 |
| BOCES Teacher | 11 | 1 | 9 | 6.09 | 2.70 |
| CIMS Coord | 16 | 2 | 10 | 7.94 | 2.29 |
| Schl Principal | 27 | 1 | 10 | 6.30 | 2.93 |
| Comp/Tech Coord | 74 | 1 | 10 | 6.38 | 3.10 |
| Sch Librarian | 24 | 1 | 10 | 5.50 | 2.80 |
| Dist Supt | 7 | 2 | 10 | 5.86 | 2.54 |
| RIC Director | 5 | 4 | 10 | 7.80 | 2.49 |
| RCC Inst Coord | 10 | 1 | 10 | 5.90 | 3.21 |
| BOCES EdComm | 14 | 5 | 10 | 8.00 | 1.57 |
| Total | 381 | 1 | 10 | 6.46 | 2.91 |
| Prof Org | | | | | |
| Position | | | | | |
| NYSED Rep | 63 | 1 | 10 | 6.49 | 3.05 |
| Sch Boards Rep | 1 | 3 | 3 | 3.00 | |
| NYSUT Rep | 6 | 5 | 10 | 8.33 | 1.75 |
| Tchr Res Cntr Rep | 24 | 1 | 10 | 5.13 | 3.55 |
| Industry Rep | 6 | 1 | 10 | 6.17 | 3.71 |
| Other | 16 | 1 | 10 | 6.19 | 3.31 |
| Student | 148 | 1 | 10 | 5.87 | 2.81 |
| Total | 264 | 1 | 10 | 6.02 | 2.99 |



Date of Run: 12/14/89

## LONG-RANGE PLAN Responses

| | Rec 2 - Option 3 | | | | |
|---|---|---|---|---|---|
| | Valid N | Minimum | Maximum | Mean | Standard Deviation |
| Educ/ Prof Ed Agency | | | | | |
| Position | | | | | |
| Supt | 92 | 1 | 10 | 7.49 | 2.70 |
| Dist Teacher | 97 | 1 | 10 | 7.06 | 2.84 |
| RCC Director | 3 | 1 | 9 | 6.33 | 4.62 |
| Inst Comp Coord | 4 | 7 | 10 | 8.50 | 1.29 |
| BOCES Teacher | 11 | 1 | 10 | 7.82 | 3.25 |
| CIMS Coord | 16 | 1 | 10 | 8.06 | 2.67 |
| Schl Principal | 23 | 1 | 10 | 6.91 | 2.25 |
| Comp/Tech Coord | 79 | 1 | 10 | 8.11 | 2.32 |
| Sch Librarian | 23 | 1 | 10 | 7.13 | 3.03 |
| Dist Supt | 8 | 2 | 10 | 6.88 | 3.09 |
| RIC Director | 5 | 7 | 10 | 8.60 | 1.34 |
| RCC Inst Coord | 11 | 6 | 10 | 8.27 | 1.27 |
| BOCES EdComm | 14 | 5 | 10 | 8.64 | 1.50 |
| Total | 386 | 1 | 10 | 7.55 | 2.63 |
| Prof Org | | | | | |
| Position | | | | | |
| NYSED Rep | 69 | 1 | 10 | 7.64 | 2.53 |
| Sch Boards Rep | 1 | 7 | 7 | 7.00 | |
| NYSUT Rep | 6 | 6 | 10 | 8.17 | 1.47 |
| Tchr Res Cntr Rep | 25 | 3 | 10 | 8.24 | 2.28 |
| Industry Rep | 6 | 7 | 10 | 8.83 | 1.47 |
| Other | 17 | 2 | 10 | 8.12 | 2.34 |
| Student | 149 | 1 | 10 | 7.38 | 2.51 |
| Total | 273 | 1 | 10 | 7.62 | 2.45 |

Date of Run: 12/14/89

LONG-RANGE PLAN paper Responses

| | Rec 3 - Option 1 | | | | |
|---|---|---|---|---|---|
| | Valid N | Minimum | Maximum | Mean | Standard Deviation |
| Educ/ Prof Ed Agency | | | | | |
| Position | | | | | |
| Supt | 90 | 1 | 10 | 6.20 | 3.11 |
| Dist Teacher | 97 | 1 | 10 | 6.10 | 3.19 |
| RCC Director | 2 | 8 | 10 | 9.00 | 1.41 |
| Inst Comp Coord | 4 | 3 | 10 | 7.25 | 3.10 |
| BOCES Teacher | 12 | 1 | 10 | 6.58 | 3.03 |
| CIMS Coord | 16 | 1 | 10 | 7.50 | 2.80 |
| Schl Principal | 26 | 1 | 10 | 6.04 | 3.21 |
| Comp/Tech Coord | 75 | 1 | 10 | 6.41 | 2.92 |
| Sch Librarian | 22 | 1 | 10 | 5.59 | 3.45 |
| Dist Supt | 7 | 1 | 10 | 6.14 | 3.08 |
| RIC Director | 6 | 1 | 10 | 8.33 | 3.61 |
| RCC Inst Coord | 10 | 3 | 10 | 7.30 | 2.71 |
| BOCES EdComm | 13 | 1 | 10 | 5.92 | 3.30 |
| Total | 380 | 1 | 10 | 6.32 | 3.10 |
| Prof Org | | | | | |
| Position | | | | | |
| NYSED Rep | 67 | 1 | 10 | 6.31 | 2.85 |
| Sch Boards Rep | 1 | 1 | 1 | 1.00 | |
| NYSUT Rep | 7 | 2 | 10 | 7.71 | 2.75 |
| Tchr Res Cntr Rep | 24 | 1 | 10 | 6.33 | 2.79 |
| Industry Rep | 11 | 2 | 10 | 8.09 | 2.77 |
| Other | 15 | 1 | 10 | 5.53 | 3.14 |
| Student | 159 | 1 | 10 | 6.49 | 2.77 |
| Total | 284 | 1 | 10 | 6.46 | 2.83 |



Date of Run: 12/14/89

LONG-RANGE PLAN paper Responses

| | Rec 3 - Option 2 | | | | |
|---|---|---|---|---|---|
| | Valid N | Minimum | Maximum | Mean | Standard Deviation |
| Educ/ Prof Ed Agency | | | | | |
| Position | | | | | |
| Supt | 88 | 1 | 10 | 6.23 | 3.03 |
| Dist Teacher | 97 | 1 | 10 | 6.22 | 3.00 |
| RCC Director | 2 | 5 | 10 | 7.50 | 3.54 |
| Inst Comp Coord | 4 | 4 | 8 | 6.00 | 1.83 |
| BOCES Teacher | 10 | 1 | 9 | 4.60 | 3.31 |
| CIMS Coord | 16 | 1 | 10 | 6.75 | 2.89 |
| Schl Principal | 24 | 1 | 10 | 6.29 | 3.01 |
| Comp/Tech Coord | 72 | 1 | 10 | 6.43 | 3.17 |
| Sch Librarian | 23 | 1 | 10 | 4.78 | 2.50 |
| Dist Supt | 7 | 1 | 9 | 5.29 | 2.98 |
| RIC Director | 5 | 1 | 10 | 5.20 | 4.09 |
| RCC Inst Coord | 10 | 1 | 10 | 5.00 | 2.94 |
| BOCES EdComm | 13 | 1 | 10 | 6.46 | 2.76 |
| Total | 371 | 1 | 10 | 6.11 | 3.02 |
| Prof Org | | | | | |
| Position | | | | | |
| NYSED Rep | 63 | 1 | 10 | 6.57 | 2.84 |
| Sch Boards Rep | 1 | 3 | 3 | 3.00 | |
| NYSUT Rep | 6 | 2 | 10 | 6.67 | 3.67 |
| Tchr Res Cntr Rep | 27 | 1 | 10 | 6.00 | 3.55 |
| Industry Rep | 6 | 1 | 10 | 4.67 | 3.56 |
| Other | 15 | 1 | 10 | 5.53 | 2.77 |
| Student | 149 | 1 | 10 | 5.97 | 2.86 |
| Total | 267 | 1 | 10 | 6.07 | 2.96 |



Date of Run: 12/14/89

LONG-RANGE PLAN paper Responses

| | Rec 3 - Option 3 | | | | |
|---|---|---|---|---|---|
| | Valid N | Minimum | Maximum | Mean | Standard Deviation |
| Educ/ Prof Ed Agency | | | | | |
| Position | | | | | |
| Supt | 91 | 1 | 10 | 7.10 | 2.96 |
| Dist Teacher | 93 | 1 | 10 | 6.85 | 3.04 |
| RCC Director | 3 | 1 | 9 | 4.67 | 4.04 |
| Inst Comp Coord | 4 | 7 | 10 | 8.50 | 1.29 |
| BOCES Teacher | 10 | 1 | 10 | 7.60 | 3.20 |
| CIMS Coord | 16 | 1 | 10 | 8.06 | 2.79 |
| Schl Principal | 24 | 1 | 10 | 6.88 | 2.27 |
| Comp/Tech Coord | 76 | 1 | 10 | 7.55 | 2.61 |
| Sch Librarian | 24 | 1 | 10 | 6.92 | 2.70 |
| Dist Supt | 7 | 1 | 10 | 6.71 | 3.25 |
| RIC Director | 5 | 5 | 10 | 8.20 | 1.92 |
| RCC Inst Coord | 11 | 6 | 10 | 7.73 | 1.68 |
| BOCES EdComm | 14 | 2 | 10 | 7.57 | 2.82 |
| Total | 378 | 1 | 10 | 7.20 | 2.81 |
| Prof Org | | | | | |
| Position | | | | | |
| NYSED Rep | 65 | 1 | 10 | 7.62 | 2.64 |
| Sch Boards Rep | 1 | 7 | 7 | 7.00 | |
| NYSUT Rep | 6 | 2 | 10 | 6.83 | 2.71 |
| Tchr Res Cntr Rep | 25 | 1 | 10 | 8.04 | 2.82 |
| Industry Rep | 6 | 3 | 10 | 7.67 | 2.66 |
| Other | 16 | 1 | 10 | 7.63 | 2.60 |
| Student | 150 | 1 | 10 | 7.31 | 2.49 |
| Total | 269 | 1 | 10 | 7.46 | 2.55 |



Date of Run: 12/14/89

LONG-RANGE PLAN paper Responses

| | Rec 4 - Option 1 | | | | |
|---|---|---|---|---|---|
| | Valid N | Minimum | Maximum | Mean | Standard Deviation |
| Educ/ Prof Ed Agency | | | | | |
| Position | | | | | |
| Supt | 88 | 1 | 10 | 5.44 | 3.24 |
| Dist Teacher | 98 | 1 | 10 | 5.20 | 3.09 |
| RCC Director | 2 | 10 | 10 | 10.00 | |
| Inst Comp Coord | 4 | 3 | 10 | 5.75 | 3.40 |
| BOCES Teacher | 13 | 1 | 10 | 5.46 | 3.36 |
| CIMS Coord | 16 | 1 | 10 | 6.81 | 3.04 |
| Schl Principal | 27 | 1 | 10 | 6.56 | 3.27 |
| Comp/Tech Coord | 76 | 1 | 10 | 5.93 | 3.04 |
| Sch Librarian | 21 | 1 | 10 | 4.76 | 3.24 |
| Dist Supt | 6 | 1 | 10 | 5.83 | 3.06 |
| RIC Director | 6 | 5 | 10 | 8.83 | 1.94 |
| RCC Inst Coord | 11 | 3 | 10 | 6.73 | 2.83 |
| BOCES EdComm | 13 | 1 | 10 | 4.92 | 3.35 |
| Total | 381 | 1 | 10 | 5.69 | 3.17 |
| Prof Org | | | | | |
| Position | | | | | |
| NYSED Rep | 67 | 1 | 10 | 6.09 | 2.85 |
| Sch Boards Rep | 1 | 1 | 1 | 1.00 | |
| NYSUT Rep | 7 | 2 | 10 | 5.43 | 2.99 |
| Tchr Res Cntr Rep | 24 | 1 | 10 | 5.83 | 2.90 |
| Industry Rep | 10 | 2 | 10 | 7.50 | 3.24 |
| Other | 15 | 1 | 10 | 4.60 | 3.04 |
| Student | 161 | 1 | 10 | 6.06 | 3.09 |
| Total | 285 | 1 | 10 | 5.99 | 3.03 |



Date of Run: 12/14/89

LONG-RANGE PLAN paper Responses

| | Rec 4 - Option 2 | | | | |
|---|---|---|---|---|---|
| | Valid N | Minimum | Maximum | Mean | Standard Deviation |
| Educ/ Prof Ed Agency | | | | | |
| Position | | | | | |
| Supt | 87 | 1 | 10 | 5.34 | 3.03 |
| Dist Teacher | 99 | 1 | 10 | 6.40 | 2.85 |
| RCC Director | 2 | 5 | 10 | 7.50 | 3.54 |
| Inst Comp Coord | 4 | 2 | 8 | 4.75 | 2.50 |
| BOCES Teacher | 10 | 1 | 9 | 4.90 | 3.14 |
| CIMS Coord | 16 | 1 | 10 | 7.00 | 3.48 |
| Schl Principal | 23 | 1 | 10 | 5.48 | 3.07 |
| Comp/Tech Coord | 74 | 1 | 10 | 6.03 | 3.14 |
| Sch Librarian | 23 | 1 | 10 | 4.91 | 2.78 |
| Dist Supt | 7 | 1 | 7 | 4.71 | 2.36 |
| RIC Director | 5 | 1 | 10 | 5.40 | 3.91 |
| RCC Inst Coord | 10 | 1 | 10 | 5.60 | 3.24 |
| BOCES EdComm | 13 | 2 | 10 | 5.85 | 3.11 |
| Total | 373 | 1 | 10 | 5.82 | 3.03 |
| Prof Org | | | | | |
| Position | | | | | |
| NYSED Rep | 63 | 1 | 10 | 6.57 | 2.82 |
| Sch Boards Rep | 1 | 3 | 3 | 3.00 | |
| NYSUT Rep | 6 | 2 | 9 | 5.50 | 2.35 |
| Tchr Res Cntr Rep | 25 | 1 | 10 | 6.40 | 3.38 |
| Industry Rep | 7 | 1 | 10 | 4.14 | 3.53 |
| Other | 14 | 1 | 9 | 4.93 | 2.50 |
| Student | 146 | 1 | 10 | 5.44 | 2.86 |
| Total | 262 | 1 | 10 | 5.73 | 2.93 |



Date of Run: 12/14/89

LONG-RANGE PLAN paper Responses

| | Rec 4 - Option 3 | | | | |
|---|---|---|---|---|---|
| | Valid N | Minimum | Maximum | Mean | Standard Deviation |
| Educ/ Prof Ed Agency | | | | | |
| Position | | | | | |
| Supt | 94 | 1 | 10 | 6.52 | 3.21 |
| Dist Teacher | 94 | 1 | 10 | 6.51 | 3.12 |
| RCC Director | 3 | 1 | 9 | 4.67 | 4.04 |
| Inst Comp Coord | 4 | 1 | 10 | 6.00 | 3.74 |
| BOCES Teacher | 10 | 4 | 10 | 8.30 | 2.16 |
| CIMS Coord | 16 | 1 | 10 | 7.31 | 3.26 |
| Schl Principal | 23 | 1 | 10 | 7.48 | 2.64 |
| Comp/Tech Coord | 79 | 1 | 10 | 7.39 | 2.63 |
| Sch Librarian | 22 | 1 | 10 | 6.05 | 3.26 |
| Dist Supt | 8 | 1 | 10 | 5.88 | 3.04 |
| RIC Director | 5 | 5 | 10 | 7.60 | 2.07 |
| RCC Inst Coord | 10 | 6 | 10 | 8.40 | 1.35 |
| BOCES EdComm | 14 | 2 | 10 | 7.36 | 3.32 |
| Total | 382 | 1 | 10 | 6.87 | 3.01 |
| Prof Org | | | | | |
| Position | | | | | |
| NYSED Rep | 67 | 1 | 10 | 7.61 | 2.50 |
| Sch Boards Rep | 1 | 7 | 7 | 7.00 | |
| NYSUT Rep | 6 | 2 | 10 | 6.83 | 3.37 |
| Tchr Res Cntr Rep | 24 | 1 | 10 | 7.46 | 2.69 |
| Industry Rep | 6 | 7 | 10 | 8.50 | 1.38 |
| Other | 16 | 1 | 10 | 7.00 | 2.90 |
| Student | 150 | 1 | 10 | 7.04 | 2.73 |
| Total | 270 | 1 | 10 | 7.24 | 2.67 |



Date of Run: 12/14/89